

Est 5/1/1989

Slip 3 and the Fox Avenue SD/CSO  
Potential Contaminant Sources

**Morton Marine Equipment/Workboats Northwest** was located on the north west shore of the slip. The facility did above-waterline repairs to steel and aluminum hulls, removed and installed engines. Complaint files for Marine Power & Equipment included one complaint of an oil spill from Morton. In 1982, company obtained 5-year permit to dredge 8,000 yd<sup>3</sup> from their mooring slip. Company relocated sometime after 1985, exact date unknown.

**South River Street Storm Drain:** Very small system, discharges at north west corner of Slip 3, under First Avenue South bridge. The drainage served Morton Marine, a truck repair facility and R.A. Barnes Inc (151 So. Michigan). R.A. Barnes supplies sanblasting materials ("Tuff-Kut) to shipyards and other inductires. They have two silos adjacent to S. River Street. There have been at least three complaints of sand blast grit being spilled or washed into catch basins. "Tuff-Kut" is a copper slag grit with metals levels in the range of: 90-120 mg/kg arsenic; 3,200-7,200 mg/kg chromium; 4,400-5,000 mg/kg copper; 400-1,000 mg/kg lead; 7,000-12,000 mg/kg zinc.

**Marine Power & Equipment (MP&E)** (also: United Marine Shipbuilding; UNIMAR; Evergreen Marine Services; Northland Services). Site information is currently filed under *Evergreen Marine Services, Fox Ave.* This ship construction and repair facility dating to the late 1970's. It is currently used as barge loading yard. MP&E obtained permit in 1979 to dredge 30,000 yd<sup>3</sup> (installation of Synchro-lift?). MP&E file shows at least 10 complaints between 1981 and 1985. Most are for shoveling, washing or dumping sandblast grit into the river. Design of Synchro-lift allowed sand blast grit to enter the water below regardless of tarping or other BMPs. EPA Dive Team conducted survey in the vicinity of Slip 3 in April 1987. Divers observed light "dusting" of sandblasting grit on the west end of the Sy and dry dock. Areas under the Sy and Dry dock were not inspected. Inspections of facility in 1989 found continuing poor housekeeping, contamination of soils and catch basins with petroleum, sandblast grit. First Interstate Bank assumed control of site April 31, 1989 when Unimar defaulted on loan payments. First Interstate representative hired Hart-Crowser to dispose of wastes left on site and to do site assessment for contamination. Ecology files contain no reports on a site assessment or cleanup on this site. There is no evidence the storm sewer system on site was ever cleaned.

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**Fox Avenue So. SD/CSO:** Small storm sewer discharges south of Slip 3 under the Marine Power & Equipment site pier. System runs from the intersection of Fox Ave So. and S. Myrtle Street.

Potential contaminant sources are former Tyee Lumber (glue shop); Great Western Chemical; Emerson GM Diesel (relocated?).

The line runs under the MP&E site and receives stormwater from the entire site.